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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/057,256

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Peter Wagner

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09/06/2006

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PATENT DEPARTMENT  
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EXAMINER

TRUONG, LECHI

ART UNIT

PAPER NUMBER

2194

DATE MAILED: 09/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/057,256	<b>Applicant(s)</b> WAGNER, PETER	
	<b>Examiner</b> LeChi Truong	<b>Art Unit</b> 2194	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 20 June 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1,2,4-8,10,11,13-15 and 17-22 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1, 2, 4-8, 10, 11, 13-15, 17-22 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
 Paper No(s)/Mail Date \_\_\_\_\_.

- 4) ☐ Interview Summary (PTO-413)  
 Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

**WILLIAM THOMSON**  
 SUPERVISORY PATENT EXAMINER  
 TECHNOLOGY CENTER 2100

### DETAILED ACTION

1. Claims 1-2, 4-8, 10-11, 13-15, 17-22 are presented for the examination. Claims 3, 9, 12, 16, 23 are canceled.

#### *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claim 1 is rejected under 35 U.S.C. 103(a) as being unpatentable over APA (Admitted Prior Art) in view of Sheard et al (US. Patent 6,208,345 B1) and further in view of Christfort et al (US. Patent 6,954,751 B2).

**As to claim 1**, APA teaches the invention substantially as claimed including: the control of automation (control of an automation, page 1, ln 21-22), an engineering system (engineering system, page 2, ln 1-3), a runtime system (the run-time, page 2, ln 1-4), the engineering system generates data, which are transferred to the runtime system (page 2, ln 1-4).

APA does not explicitly teach system is operable to convert data generated to control the runtime system into the format that can be read by destination, control processor, an information preparation device for preparing the converted data and exchanging the prepared data, a data storage device for storing the converted data. However, Sheard teaches the system that operable

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to convert data generated to control the runtime system into the format that can be read by destination (the adapter 34 a disassociates the informational content component 'A' alternatively referred to as informational content 'A' and transmits only the informational content 'A' to the data exchange infrastructure 32, col 8, ln 10-17/ the adapter 34 reformulates the informational content 'A' into a common or generic form which is subsequently operated on by the data exchange infrastructure 32, col 8, ln 18-22/ col 8, ln 30-39/ Fig. 1), an information preparation device for preparing the converted data , for exchanging the prepared data for external destination/ for exchanging the prepared data for external internet client ( the adapter 120 is configured to translate the EDI information content having a common format to EDI format and dialect required by the destination application, col 10, ln 16-10/ Fig. 120/ the data exchange infrastructure 62 cooperates with a routing logic module 66 to determine one or more destination applications within the information provider2, col 12, ln13-18), internet client ( col 17, ln 49-53 ), a data storage device for storing the converted data( information content I1 one or more selected output queues, col 13, ln 55-60/ the OSS message is transferred to the data store 201 couple to the data exchange infrastructure 202,... the data stored 202 may distributed at different physical and logical location, col 14, ln 15-25/a sample extractor 115, col 2, ln 45-50), controlled variables data (metadata from other source, sources as the internet, col 1, ln 44-48 and col 58-61/ from media data referred as metadata and annotations, col 2, ln 29-35 ).

It would have been obvious to one of the ordinary skill in the art at the time the invention was made to combine the teaching of APA and Sheard because Sheard's system for converting data generated to control the runtime system into the format that can be read by destination

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would improve the flexibility of APA's system by allowing a highly scalable data to exchange infrastructure which may be readily implemented within a distributed network system.

APA and Sheard do not teach a remote Internet client coupled with said runtime system, a format that can be read by standard Internet clients. However, Christfort teaches teach a remote Internet client coupled with said runtime system (users 120, 122, 124 that interconnected with host server 110 and each other on network 100, col 7, ln 16-29/ col 8, ln 6-15/ fig. 1 A/ host server 110 may then execute (runtime) the appropriate hosted application and send the resulting output to end user 130 over connection 140, col 7, ln 60-63), a format that can be read by standard Internet clients (Host server 110 includes a middleware transformer 112 for transforming application output into output that is tailored or customized based on parameters of conditions associated with a service request. For example, the capabilities of the client devices used users may vary widely, col 8, ln 28-33/ ln 62-67/ col 9, ln 12-14/ if the client is desktop computer then the client matches the <desktop> the middleware transformer transforms the condition-independent output to produce the following condition-dependent out, col 16, ln 50-60/ the middleware transformer formats the output for the specific device, col 19, ln 1-3).

It would have been obvious to one of the ordinary skill in the art at the time the invention was made to combine the teaching of APA, Sheard and Christfort because Chirtfort's a remote Internet client coupled with said runtime system, a format that can be read by standard Internet clients would improve the flexibility of APA and Sheard's systems by allowing the application developer to design flexibility into the application output avoids the drawbacks of the lowest common denominator for optimal performance.

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3. Claims 2, 4-6, 10, 11, 13-15, 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over APA (Admitted Prior Art) in view of Sheard et al (US. Patent 6,208,345 B1) in view of Christfort et al (US. Patent 6,954,751 B2), as applied to claim 1 above, and further in view of Srivastava et al (US. 6,549,922 b1).

As to claim 2, APA, Sheard and Christfort do not teach the format is selected from XML, HTML. However, Srivastava teaches the format is selected from XML, HTML (col 2, ln 59-65).

It would have been obvious to one of the ordinary skill in the art at the time the invention was made to combine the teaching of APA, Sheard, Christfort and Srivastava because Srivastava's selected from XML, HTML would improve efficiency of APA, Sheard and Christfort's systems by allowing the programmer to handle each of the wide variety of storage techniques used by different proprietary media formats.

As to claim 4, Srivastava teaches the project engineering information and the data from the control device comprise static and / or dynamic variables (col 4, ln 39-43).

As to claim 5, Srivastava teaches only predetermined data is stored in the data storage device (col 2, ln 60-65).

As to claim 6, Srivastava teaches a display device in which static and dynamic data can be mixed in image (col 5, ln 1-11).

As to claim 10, it is an apparatus claim of claim 1; therefore, it is rejected for the same reasons as claim 1 above. In additional, Srivastava teaches a run-time system (the framework at run-time, col 4, ln 44-48).

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**As to claims 11, 13-15**, they are apparatus claims of claims 2-6; therefore, they are rejected for the same reasons as claims 2-6 above.

**As to claim 19**, Srivastava teaches system document/ user documentation and identification information (the media data, col 2, ln 57-58), stored directly or by hyperlinks (col 2, ln 60-65).

4. Claims **7, 8, 17, 20** are rejected under 35 U.S.C. 103(a) as being unpatentable over APA (Admitted Prior Art) Sheard et al (US. Patent 6,208,345 B1) in view of Christfort et al (US. Patent 6,954,751 B2), as applied to claim 1 above, and further in view of Olkin et al (US. Patent 5,878,220).

**As to claim 7**, APA, Sheard and Christfort do not teach a web server. However, Olkin teaches a web server (server 130, col 4, ln 30-36).

It would have been obvious to one of the ordinary skill in the art at the time the invention was made to combine the teaching of APA, Sheard, Christfort and Olkin because Olkin's web server would improve the efficiency of APA, Sheard and Christfort's systems by providing a data transport system that effectively supports the transfer.

**As to claim 8**, Olkin teaches the web server provides data restricted to operating, observation or server information (col 4, ln 35-39).

**As to claim 17**, Olkin teaches the data provided for the Internet is restricted to operating, observation or service information data (col 4, ln 35-39).

**As to claim 20**, Olkin teaches internet (high bandwidth network 150/ network 120, fig. 1)

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5. Claims 18, 21, 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over APA (Admitted Prior Art) in view of Sheard et al (US. Patent 6,208,345 B1) in view of Christfort et al (US. Patent 6,954,751 B2), as applied to claim 1 above, and further in view of Taylor (The Gemini telescope control system).

As to claim 18, APA teaches the project information is obtained from an engineering system (the project engineering data developed in the engineering system, page 2, ln 1-3).

APA, Sheard and Christfort do not teach an open loop and closed loop. However, Taylor teaches an open loop and closed loop (open loop/ closed loop, sec: 5, ln 1-4).

It would have been obvious to one of the ordinary skill in the art at the time the invention was made to combine the teaching of APA, Sheard, Christfort and Taylor because Taylor's open loop and closed loop would increase the efficiency of APA, Sheard, Christfort's systems by allowing easy construction of graphical interfaces to control and monitor the databases.

As to claims 21, 22, they are apparatus claims of claims 18, 19; therefore, they are rejected for the same reasons as claims 18, 19 above.

#### **Response to the argument**

29. Applicant's arguments filed 06/20/2006 have been considered but are moot in view of the new ground(s) of rejection. Applicant amended the claims to add new limitation. Christfort's reference meets the amended claims.



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Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the date of this final action.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to LeChi Truong whose telephone number is (571) 272 3767. The examiner can normally be reached on 8 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomson, William can be reached on (571) 272 3718. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications

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may be obtained from either Private PAIR or Public PAIP. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIP system, contact the Electronic Business Center (EBC) at 866-217-9197(toll-free).

LeChi Truong

August 31, 2006



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